

24.6800  
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44447

S/120/62/000/006/029/029  
E039/E435

AUTHORS: Babenko, V.P., Baysa, D.F.

TITLE: A method of measuring nuclear quadrupole resonance spectra at low temperatures

PERIODICAL: Pribery i tekhnika eksperimenta, no.6, 1962, 138

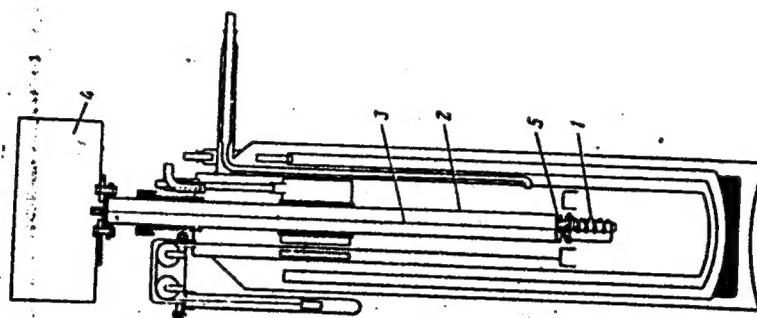
TEXT: Nuclear quadrupole resonance spectra can be measured in a metallic cryostat at the temperatures of liquid helium and hydrogen. The construction of the cryostat is based on a previously described model (V.P.Babenko, V.L.Broude, V.S.Medvedev, Prikhod'ko, A.F., PTE, no.1, 1959, 115). The coil of the oscillator circuit 1 is submerged with the sample directly in liquid He and fixed to a rigid coaxial line constructed from German silver tube (30 mm diameter, 0.4 mm thick) 2 and a central copper conductor (0.9 mm diameter) 3. The oscillator-detector 4 is mounted on the upper part of the coaxial line using a teflon and resin seal, and the teflon coil holder 5 is attached to the bottom. As the length of the coaxial line is increased to 58 cm the frequency of the oscillator-detector is lowered and its range reduced. In order to change a sample the coaxial line is removed from the cryostat when warm, which is a Card 1/2

A method of measuring ...

S/120/62/000/006/029/029  
E039/E435

disadvantage. However, a small modification to the upper part of the cryostat should enable the sample to be replaced in the cooled condition. The evaporation rate is about 1 litre in 6 to 8 hours. There is 1 figure.

ASSOCIATION: Institut fiziki AN UkrSSR (Institute of Physics  
SUBMITTED: February 6, 1962 AS UkrSSR)



Card 2/2

Fig.

L 17328-63

EPR/ENT(d)/ENT(1)/EPF(c)/EPF(n)-2/BDS

AFTTC/ASD/IJP(C)/SSD

Ps-4/Pr-4/Pu-4 WH

ACCESSION NR: AP3004900

S/0120/63/000/064/0107/0109

77  
73

AUTHOR: Bayza, D. F.; Ryabchenko, S. M.

TITLE: Primary detector<sup>0</sup> for a nuclear-quadrupole-resonance spectrometer<sup>2</sup> for 130-320-Mc band and for low-temperature measurements

SOURCE: Priberyi tekhnika eksperimenta, no. 4, 1963, 107-109

TOPIC TAGS: primary detector, spectrometer, nuclear-quadrupole-resonance spectrometer, low-temperature measurement

ABSTRACT: A push-pull regenerative and superregenerative oscillator-detector is described that has resonant circuits in its two-conductor lines. The oscillator is mounted integral with a preamplifier and a double-modulation-frequency electronic filter. A design drawing of a cryostat used for low-temperature measurements is supplied. One liter of hydrogen is evaporated in 4.5 to 5 hrs in the cryostat which ensures 1-1.5-hr continuous work period. The fact that each Card 1/2

L 17328-63

ACCESSION NR: AP3004900

replenishing of the cryostat with liquid hydrogen affects the resonant frequency of the primary detector is an essential drawback of the equipment. "In conclusion, the authors wish to thank A. F. Prihot'ko for his interest in the work, and V. P. Babenko for his help in designing the cryostat." Orig. art. has: 2 figures.

ASSOCIATION: Institut fiziki AN UkrSSR (Institute of Physics, AN UkrSSR)

SUBMITTED: 21Jun62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: NS

NO REF SOV: 000

OTHER: 002

Card 2/2

BAYSA, D.F.; PRYKHOT'KO, A.F. [Prykhot'ko, A.F.]

Temperature dependence of the frequency of nuclear quadrupole  
resonance of  $\text{Cl}^{35}$  and  $\text{Cu}^{63}$  in certain compounds. Ukr. fiz. zhur.  
9 no.5:573-575 My '64. (MIRA 17:9)

1. Institut fiziki AN UkrSSR, Kiyev.

BABUSHKINA, T.A.; BAYSA, D.F.

Temperature dependence of nuclear quadrupole resonance and  
the spin-lattice relaxation time in n-dichlorobenzene. Fiz.  
tver. tela 6 no.9:2663-2666 S '64.

(MIRA 17:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR, Moskva.

1 10011-45 BMT(1) TEXT(1) EPF(1)/EMP(1) Post. Pr-4 RM

ACCESSION NR: AP4044936

S/0181/64/006/009/2663/2666

AUTHORS: Babushkina, T. A.; Baysa, D. F.

TITLE: On the temperature dependence of NQR frequencies and spin-lattice relaxation time in n-dichlorobenzene

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2663-2666

TOPIC TAGS: nuclear quadrupole resonance, spin lattice relaxation, temperature dependence, dichlorobenzene

ABSTRACT: It is pointed out that earlier nuclear quadrupole resonance (NQR) studies did not deal with the simultaneous variation of the NQR frequencies and the spin-lattice relaxation time over a wide range of temperatures. The authors therefore measured the temperature dependences of the NQR frequencies in the interval 4.2--300K and the spin-relaxation times in the interval 77--300K for the three phases of n-dichlorobenzene. Earlier investigations dealt only with

Card 1/3

L 12644-65

ACCESSION NR: AP4044936

2

the  $\alpha$  phase and with the kinetics of the  $\alpha \rightleftharpoons \beta$  transition. The relaxation time and the NQR frequencies were measured by a pulse procedure down to 77K. At lower temperatures, a superregenerator with a special cryostat, described by V. P. Babenko and D. F. Bays (PTE No. 6, 138, 1962) was used. In addition, the temperature dependence of the frequencies of the torsional vibrations of the molecules in the crystal was estimated in accordance with the Bayer theory (H. Bayer, Z. Physik, v. 130, 227, 1951). An attempt was also made to estimate the lifetimes of the torsional levels from the spin-lattice relaxation times. It is concluded that even a modified spin-lattice relaxation time theory in conjunction with the Bayer theory of the temperature dependence of the NQR frequencies cannot explain the experimental facts. "The authors thank A. I. Kitaygorodskiy and A. P. Prikhod'ko for interest in the work." Orig. art. has: 7 formulas and 2 tables.

ASSOCIATION: Institut elementoorgazicheskikh sovedineniy AN SSSR,

Card 2/3



L 12644-65

ACCESSION NR: AP4044936

Moscow (Institute of Organoelemental Compounds, AN SSSR)

SUBMITTED: 27Mar64

ENC1 - 00

SUB CODE: SS, NF

NR REF SOV: 007

OTHER: 012

Card 3/3

ACC NR: AP6034979

SOURCE CODE: UR/0361/66/000/003/0035/0043

AUTHOR: Baysakalov, I. B.

ORG: none

TITLE: Limiting laws of distribution of probabilities in the case of optimal control

SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskaya, no. 3, 1966, 35-43

TOPIC TAGS: optimal control, control statistics, radar guidance, tracking control, set theory, topology

ABSTRACT: The author presents a rigorous mathematic analysis, from the topological and set-theoretical point of view, of an optimal control system containing a finite number of elements. Specific problems solved are that of guiding a tracking system in the case of Gaussian and " $\beta$  and  $\gamma$  distribution" of the fading. The existence of an optimal sequence of control steps is proved and a theorem proving its uniqueness is presented. Orig. art. has: 27 formulas.

SUB CODE: 12,13/SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 002

Card 1/1

BAYSALOV, S.

3N/5  
723.5  
.Y 4

Pravo sel'skokhozyaystvennogo vodopol'zovaniya v Kazakhskoy SSR (Water rights in rural Kazakh SSR, by) A. Yerenov i S. B aysalov. Alma-Ata, Izd-vo Akademii Nauk Kazakhskoy SSR, 1956.

170, (2) p.

At head of title: Akademiya Nauk Kazakhskoy SSR. Sektor Filosofii i Prava.

"Literatura": p. 168-171.

BAYSALOV, S., kand. yuridicheskikh nauk (Alma-Ata)

More responsibility for the utilization of irrigation water.  
Gidr. i mel. 56 no.6:28-32 1964. (MIRA 17:9)

BAYSALOV, S.; KUDAYBERGENOV, U.; TOMANOV, M., otv.red.; ABDRAKHMANOV, A.,  
otv.red.; ROZENBERG, TS.R., red.; AITMUKHAMBETOVA, S., red.;  
ROROKINA, Z.P., tekhn.red.

[Russian-Kazakh terminological dictionary] Russako-kazakhskii  
terminologicheskii slovar'. Alma-Ata. Vol.4. 1960. 185 p.  
(MIRA 13:4)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut yazyka i  
literatury.

(Russian language--Dictionaries--Kazakh)  
(Law--Dictionaries) (Education--Dictionaries)

MASEVIC, M.G., kand.yuridicheskikh nauk; BAYSALOV, S.B., kand.yuridicheskikh nauk; YERENOV, A.Ye., kand.yuridicheskikh nauk.

Monographic study on "Legal questions in the organization and operation of state farms" by M.A. Vaksberg and others. Reviewed by M.G. Masevich, S.B.Baisalov, A.E.Erenov. Vest.AN Kazakh.SSR 16 no.7:105-107 J1 '60. (MIRA 13:8)  
(State farms) ( Vaksberg, M.A.)

BOKIY G.B., BAYSANOV, S.S.

Crystallochemical basis for the general course of qualitative analysis.. *Izv.Sib.otd.AN SSSR* no.10:68-73 '59. (MIRA 13:4)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR.  
(Crystallography) (Chemistry, Analytical)

BAYSBUYM, S.Z., nauchnyy sotrudnik.

Mass dyeing of capron fiber. Tekst.prom. 16 no.9:19-20 3 '56.  
(MLRA 9: 2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut volokna.  
(Dyes and dyeing--Nylon)



BAYSFELD, G. B.

PA 248T60

USSR/Engineering - Construction, 15 Jan 53,  
Cement-Soil Mixtures

"Foundations of Cement-Soil Mixtures," Dr Geolog-  
Mineralog Sci V. V. Askalonov, Engr G. B. Baysfeld,  
Sci-Res Inst Minmashstroy

Byull Stroit Tekh, No 1, pp 10-12

States that research has been conducted since 1950,  
at the Sci-Res Inst of Foundations and Substruc-  
tures, on cement-soil mixtures for building founda-  
tions in those regions not having rubble, gravel,  
and sand. For such mixtures can use loess and

248T60

loess-type loams having a plasticity number of  
5 to 12, and a cement not lower than quality 300.  
Describes method of preparing mixture, proportional  
parts, and properties (compression strength, freez-  
ing resistance). The strength of a mixt contain-  
ing 7-12% (by weight) of cement varies from 30-80  
kg/sq cm. First successful use of such mixture by  
Minmashstroy trust No 93, on construction of fol-  
lowing foundations of Chardzhou superphosphate  
plant: machine shop (100 m long), boiler room  
(40 m long).

248T60

WRITE BELOW THIS LINE

POSITIVE

ACCESSION NR: AP4045922

S/0119/64/000/009/0028/0029

AUTHOR: Baysh, L. G. (Engineer); Barkan, B. N. (Engineer)

TITLE: Remote level indicators with an electric explosionproof sensor

SOURCE: Priborostroyeniye, no. 9, 1964, 28-29

TOPIC TAGS: level gauge, level indicator, remote level indicator/  
DIU-SOA level indicator

ABSTRACT: A short description is presented of a DIU-SOA remote indicator capable of measuring inflammable-liquid levels within 630, 1,000, and 1,600 mm at a pressure of 320 kg/cm<sup>2</sup>. Maximum operating distance, 250 m; permissible gas density, 0.02-0.1 g/cm<sup>3</sup>; float-system stroke, 15-25 mm; relative error,  $\pm 5\%$ ; power supply, 127-220 v, 50 cps; ambient temperature range, -30+60C. The sensor is intended for operation in Class V-1a explosion-hazardous rooms where gas mixtures of Category 4 and Group A are possible. A design drawing

Card 1/2

AM2037196

BOOK EXPLOITATION

S/

Baysh, L. G.; Brusteyn, L. I.; Voskresenskiy, V. N.; Makulov, G. Z.;  
Mirzabekov, G. G.; Nesmelov, S. V.; Nemirovskiy, A. B.; Pavlovskiy, A. N.;  
Shendler, YU. I.

Devices for control of pressure, outlay and quantity of material, level, temperature. Secondary devices and multiple control machinery. v2 (Pribory\* kontrolya davleniya, raskhoda i kolichestva veshchestva, urovnya, temperatury\*. Vtorichny\*ye pribory\* i mashiny\* mnozhestvennogo kontrolya. Kn. 2), Moscow, "Nedra", 1964, 870 p. illus., biblio., index. Errata slip inserted. 5,300 copies printed.

TOPIC TAGS: pressure measurement, manometer, diffmanometer, flowmeter, level measurement, temperature measurment, thermocouple, thermal expansion, electrical resistance thermometer, current ratio measurement, electronic computer

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- Section IV Instruments for measuring and regulating temperature (V. N. Voskresenskiy and V. A. Nikitin)

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- Ch. XXXIX. Ferrodynamic system of transmission (G. G. Mirzabekov) -- 741
- Ch. XXXX. General elements of secondary electronic instruments (L. I. Brusteyn) -- 752
- Ch. XXXXI. Pneumatic system of transmission (G. G. Mirzabekov) -- 773
- Section VI Systems of control and regulation with high-speed electronic machines for centralized automatic control and regulation of engineering processes (G. Z. Makulov)

Card 4/5

AM:037196

Ch. XXXXII. Designation, operating principles, circuits, and classification of systems of control and regulation with electronic computers for centralized control and regulation of engineering processes -- 786

Ch. XXXXIII. Circuits and design of basic functional blocks of machines for centralized control and regulation -- 796

Ch. XXXXIV. Control-information and control-information computers -- 847

SUB CODE: EE, FP

SUBMITTED: 30Oct63

NR REF SOV: 045

OTHER: 007

DATE ACQ: 06Apr64

Card 5/5

BAYSH, L.G.; MIKITIN, V.A.; CHINAREV, A.I., kandidat tekhnicheskikh nauk,  
fetsenzent; ROMANOVA, W.V., redaktor; POLOSINA, A.S., tekhnicheskii  
redaktor

[Measuring the consumption and level of fluids and gases in petroleum  
refining] Izmerenie raskhoda i urovnia zhidkostei i gazov v nefte-  
pererabotke. Moskva, Gos. nauchno-tekhnicheskoe izd-vo neftianoi i  
gorno-toplivnoi lit-ry, 1954. 222 p. (MIRA 8:4)  
(Petroleum engineering) (Measuring instruments)



Baysh, L. G.

AID P - 3979

Subject : USSR/Engineering

Card 1/1 Pub. 78 - 24/27

Author : Pol'skiy, S.

Title : Olenev, N. M. Khraneniye nefi, nefteproduktov i gaza  
(Storage of oil, oil products and gas). Gostoptekhnizdat,  
1954 and Baysh, L. G. and V. A. Nikitina. Izmereniye  
raskhoda i urovniya zhidkostey i gazov v neftepere-  
rabotke (Measurements of the output and the level of  
liquids and gases in oil processing). Gostoptekhnizdat,  
1954. (Book reviews).

Periodical : Neft. khoz., v. 33, #12, 91, D 1955

Abstract : The author critically appraises these two textbooks  
published in 1954 by Gostoptekhnizdat. He points out  
many mistakes, especially in the description of liquid  
and gas volume meters.

Institution : None

Submitted : No date

SOV/136-58-6-3/21

**AUTHORS:** Averbukh, M.A., Burnashev, A.A., Birger, G.I., Baysh, L.G., Zubkov, G.A., Zhiryakov, N.I., Isayev, D.V., Ovcharenko, Ye.Ya., Fromberg, A.B. and Shneyerov, M.S.

**TITLE:** New Means for Automatic Testing and Control in Non-ferrous Metallurgy (Novyye sredstva avtomaticheskogo kontrolya i regulirovaniya v tsvetnoy metallurgii)

**PERIODICAL:** Tsvetnyye Metally, 1958, Nr 6, pp 15 - 25 (USSR)

**ABSTRACT:** Many processes in non-ferrous metallurgy involve corrosive media and the Konstruktorskoye byuro (Design Bureau) Tsvetmetavtomatika (KB TsMA) have since 1955 been working on pneumatic control methods, which are especially suitable for such conditions. Other organisations named by the authors as some of those working in the same field are: Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics of the Ac. Sc. USSR), NIITeplopribor, TsLA of the "Energohermet" Trust and the "Tizpribor" Works. A wide range (Table 1) is covered by the pneumatic transducers, produced by the KB TsMA (Figures 1 and 2) in which use is made of a corrosion-resistant Soviet plastic. A series of corrosion-resistant valves have also been produced (Table 2), including a diaphragm type with a position indicator

Card 1/4

SOV/136-58-6-3/21

new Means for Automatic Testing and Control in Non-ferrous Metallurgy

(Figure 3). For the continuous analysis of hydro-metallurgical solutions, the KB TsMA in 1957 developed (Figure 4) an automatic polarographic concentration-meter, type KAP-225, with a transducer type DAPK-226: this device has been successfully used at the "Elektrotsink" Works for analysing for cadmium in zinc electrolyte and is based on alternating-current polarography. The KB TsMA have developed a series of radioactive methods, particularly for level indication over a wide (type URP) (Figure 5) and a relatively narrow (type URPR) (Figure 6) range. A radioactive density-meter, type PR-150, independent of the mineralogical and size composition of pulp over a wide range has been successfully tested at the Zolotushinskaya obogatitel'naya fabrika (Zolotushinskaya Beneficiation Works) (ranges 1.5-2.5 and 1-2 kg/litre). Work is proceeding on other radioactive meters including a moisture meter, for concentrates and similar materials. Based on corrosion-resistant, differential, thermoelectric anemometer (electrical circuit proposed by engineers V.A. Drozdov and A.M. Listov), a flowmeter for pure or air-diluted chlorine has been developed by the

Card2/4

SOV/136-58-6-3/21

## New Means for Automatic Testing and Control in non-ferrous Metallurgy

KB TsMA; they have also developed an analyser (type GAKh-239) for chlorine which is accurate to  $\pm 3\%$  and these two instruments are to be used in an integrated automation system being devised for the magnesium industry. The KB TsMA have developed an automatic installation for (Figures 7 and 8) controlling a single pump in relation to the liquid level. Another recent activity of this organisation has been the development of the type ATV-229 overheating protective device (Figure 9) and a twelve-point temperature signalling device (Figure 10). The ATV-229 device is to be produced by the Tsvetmetpribor Works. In collaboration with the Institut gigiyeny truda i profzabollevaniy AMN SSSR (Institute of Work Hygiene and Occupational Diseases of the AMS USSR), the KB TsMA have developed a device (Figure 11) for continuous measurement and recording of mercury-vapour concentration in air in the range  $0.1 - 0.6 \text{ mg/m}^3$ . This instrument (IKRP-445) (Figure 11) also gives an alarm signal if the concentration becomes excessive and its range is being extended in both directions.

Card3/4

SOV/136-58-6-3/21

New Means for Automatic Testing and Control in Non-ferrous Metallurgy

There are 11 figures.

ASSOCIATION: KB Tsvetmetavtomatika

Card 4/4

AUTHOR: Baysh, L. G.

64-50-3-13/20

TITLE: A Nomographic Chart for the Determination of the Capacity of Baffle Plates (Nomogramma dlya opredeleniya propusknoy sposobnosti drossel'nykh zaslonok )

PERIODICAL: Khimicheskaya Promyshlennost', 1958, Nr 3, pp. 48 - 49 (USSR)

ABSTRACT: In the present paper a nomographic chart is given for the easy selection and determination of the basic parameters of throttle valves in round pipings according to well-known data for technological processes. The straight-line chart is based on experimental data as are given in publications for computations in the metallurgical industry and in the petroleum industry as well as in power engineering, and which serve for computations of the diameters of conditional passage and of the turning angle of baffle plates according to given values. These are: gas consumption per hour in working state, the relative specific weight of the gas and the assumed reduction in pressure at the throttle valve. The straight-line chart is given as well as two computation examples for different value.

Card 1/2

A Nomographic Chart for the Determination of the  
Capacity of Baffle Plates

64-58-3-13/20

There are 6 references, 5 of which are Soviet.

1. Valves--Nomographs    2. Valves--Performance    3. Nomographs  
--Applications

Card 2/2

AVERBUKH, M.A.; BURNASHEV, A.A.; BIRGER, G.I.; BAYSH, L.G.; ZUBKOV, G.A.;  
ZHIRYAKOV, N.I.; ISAYEV, D.V.; OVCHARUKO, Ye. Ya.; FROMBERG, A.B.;  
SHMEYEROV, M.S.

New means of automatic control and regulation in nonferrous  
metallurgy. TSvet. met. 31 no. 6:15-25 Je '58. (MIRA 11:7)  
(Nonferrous metal industries)  
(Automatic control)



AFANAS'YEV, V.V.; BAYSH, L.G.

Using a segmental diaphragm in measuring pulp consumption at ore-dressing plants. Sbor.mat.po avtom.proizv.prota.i disp. no.5:27-33  
'60. (MIRA 14:4)

1. Konstruktorskoye byuro "TSvetmetavtomatika."  
(Measuring instruments) (Ore dressing--Equipment and supplies)  
(Diaphragms (Mechanical devices))

BAYSH, L.G.; NISMAN, L.N.

Standardization of pneumatic actuating equipped with diaphragms mechanisms.  
Standartizatsiia 25 no.3:8-13 Mr '61. (MIRA 14:3)  
(Pneumatic control) (Standards, Engineering)

BAYSH, I.G.; BARKAN, B.N.

Level indicators with an electric explosionproof pickup and remote control. Pr'borostroenie no.9:28-29 S '64. (MIRA 17:11)

BAYSHEBAYEV, K.

The Turkestan rat (*Rattus turkestanicus* Satunin). Trudy Inst.  
zool. i paras. AN Kir. SSR no.6:145-158 '57. (MIRA 11:3)  
(Kirghizistan--Rats).

6(

06258

SOV/107-59-6-22/50

AUTHORS:     Semenov, A., Manager, Bayshev, K., Chairman, Movlyutov, S., Club Member

TITLE:        We Will Strive for the Championship

PERIODICAL:   Radio, 1959, Nr 6, p 17 (USSR)

ABSTRACT:     The authors tell some events of the All-Union outdoor radio amateur contest in 1958, in which the teams of the Ufa Radio Club obtained the first three places. Presently, the Bashkirian radio amateurs are preparing themselves for the fourth All-Union outdoor contest.

ASSOCIATION:  Ufimskiy radioklub (Ufa Radio Club).

Card 1/1

BOGDANOV, F.R., prof. (Kiyev 25, Vladimirskaia ul., d.9, kv.10); LITVINENKO,  
A.D., dotsent; BAYSHEVA, Y.G.

Treatment of torpid wounds, trophic ulcers and chronic osteomyelitis  
with an antimicrobial preparation corinal. Ortop., travm. i protez.  
25 no.7:22-25 JI '64. (MIRA 18:8)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. F.R.Bogdanov)  
Kiyevskogo instituta usovershenstvovaniya vrachey i kafedry  
mikrobiologii i antibiotikov (zav. - prof. M.N.Rotmistrov) Kiyev-  
skogo universiteta. 2. Chlen-korrespondent AMN SSSR (for Bogdanov).

ROTMISTROV, M.N.; STETSENKO, A.V.; KULIK, G.V.; VASILEVSKAYA, I.A.; BAYSHEVA,  
V.G.; GAMALEYA, N.F.

Antimicrobial properties of some acenaphthene derivatives, Mikro-  
biologiya 29 no.5:757-761 S-O '60. (MIRA 13:11)

1. Kiyevskiy gosudarstvennyy universitet.  
(ACENAPHTHENE) (ANTISEPTICS)

BOBCHENKO, Ya. S., BAYSHEVA, V. G. [Baisheva, V. H.]

Effect of syntomycin, chlortetracycline and imanin on the  
association of staphylococcus with gram-negative bacteria.  
Mikrobiol. zhur. 23 no.3:50-55 '61. (MIRA 15:7)

1. Kiyevskiy universitet, Kafedra mikrobiologii.

(CHLORTETRACYCLINE) (ACETAMIDE)  
(STAPHYLOCOCCUS) (BACTERICIDES)



ROTMISTROV, M.M.; MIKHNOVSKAYA, N.D. [Mikhnovs'ka, N.D.]; BAYSHEVA, V.G.  
[Baishева, V.H.]; KULIK, G.V. [Kulyk, H.B.]

Reduction of the sensitivity of microorganisms adapted in  
vitro to salicylanilides and alkylated phenols. Visnyk  
Kyiv. un. no.5. Ser.biol. no.1:69-73 '62. (MIRA 16:5)  
(SALICYLANILIDE) (PHENOLS) (BACTERICIDES)

BAYSHEVA, V.G. [Baishева, V.H.]

Effect of korinal and trichlorazol on the various strains of  
yeastlike fungi of the genus Candida. Visnyk Kyiv. un. No.1:  
74-76 '62. (MIRA 16:5)

(FUNGICIDES)

(MONILIASIS)

ROTMISTROY, M.M.; YASNITSKIY, B.Yu. [IAsnyts'kyi, B.IU]; BAYSHEVA, V.G.  
[Baishева, V.H.]; DOL'BERG, Ye.B.

Antibacterial spectrum of korinal and trichlorazol. Visnyk.  
Kyiv. un. no.4. Ser. biol. no.2:73-76:61. (MIRA 16:6)  
(BACTERICIDES)

RAYSHEVA-ZEYHALOVA, G.K. (H.)

Dynamics of reticulo-endothelial block, oligocythemia and hydremia in malaria. Klin.med., Moskva 28 no.5:90 May 50. (CML 19:4)

1. Of the Propedeutic Therapeutic Clinic (Director — Honored Worker in Science Prof. V.A.Tarnogradskiy, deceased), Azerbaydshan Medical Institute, Baku.

AKHMETOV, Abdrashit Rakhimovich; BAYSHIN, A.A.; RAKHIMOV, A.S.

[Glorious path of the working class in Kazakhstan] Slavnyi put'  
rabochego klassa Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo,  
1960. 182 p. (MIRA 14:10)  
(Kazakhstan—Labor and laboring classes)

BAYSHTRUK, O.N.; MYSS, Ya.I.

Sciatic nerve regeneration during acute radiation sickness.

Biul. eksp. biol. i med. 56 no.12:100-104 D '62. (MIRA 17:11)

1. Kafedra gistologii i embriologii (zav. - dotsent A.A. Kolc-  
sova) Rostovskogo-na-Donu meditsinskogo inatituta

ACCESSION NR: AP4005819

S/0219/63/056/012/0100/0104

AUTHOR: Bayshtruk, O. N.; Ry\*ss, Ya. I.

TITLE: Regeneration of the sciatic nerve in acute radiation disease

SOURCE: Byul. eksper. biologii i meditsiny\*, v. 56, no. 12, 1963, 100-104

TOPIC TAGS: sciatic nerve regeneration, sciatic nerve, radiation sickness, ionizing irradiation, irradiation, nerve fiber degeneration, axis cylinder fragmentation, hyperimpregnation, myelin, varicose change

ABSTRACT: Acute radiation sickness was induced in an experimental group of 37 adult dogs with a single 350 r dose (RUM-3 unit, 180 kv, 10 ma, focal length 120 cm). Seven days later the sciatic nerve was cut and sewn together in animals of the control and experimental groups. Materials were taken from the central and peripheral sections of the nerve for histological investigations at regular intervals from the 5th to 90th days after the operation. The materials were fixated in 12% neutral formalin and the sections were stained. In the early postoperative period (5 to 10 days), regeneration of the sciatic

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ACCESSION NR: AP4005819

nerve proceeds more slowly in the group of animals with radiation sickness. In later periods, regeneration in both groups proceeds in a more similar manner. With the initial delay in nerve fiber regeneration in irradiated animals, a sizeable neuroma often forms in the connective scar tissue by the 15th day. By the 30th day nerve fibers are well developed in the peripheral nerve section of control animals, but are fewer in number and less well developed in experimental animals. In the 30 to 60 day period the number of nerve fibers increases but is still lower than in control animals. In the 60 to 90 day period the nerve fibers of experimental animals often undergo secondary degenerative changes including hyperimpregnation, varicose change, degeneration, and axis cylinder fragmentation. The incomplete restoration of the sciatic nerve function in the experimental animals appears to be related to the effects of ionizing radiation. Orig. art. has: 2 figures.

ASSOCIATION: Kafedra gistologii i embriologii Rostovskogo-na-Donu meditsinskogo instituta (Histology and Embryology Department of the Rostov-on-Don Medical Institute)

Cord 2/3 ~



BAYSHTRUK, O. N., Cand Med Sci -- (diss) "Innervation of the hard covering of the brain in man and some other mammals." Rostov-na-Don, 1960. 18 pp; (Rostov State Medical Inst, Chair of Histology and Embryology -- RGMI); 300 copies; price not given; (KL, 18-60, 155)

BAYSHTRUK, O.N. (Rostov-na-Donu, ul.Semashko, 34, kv.3)

Nerve cells of the dura mater. Arkh.anat.gist.i embr. 39 no.11:  
94-96 N '60. (MIRA 14:5)

1. Kafedra gistologii i embriologii (zav. - prof. K.A.Lavrov)  
Rostovskogo meditsinskogo instituta.  
(DURA MATER)

SOKOLOV, M.A.; SKORMINA, R.A.; KORABLINA, M.P.; RAYSHULAKOV, A.A.

Prospects for the complete treatment of poor molybdenum-tungsten ores  
of central Kazakhstan. Trudy Inst. met. i obogashch. AN Kazakh. SSR  
2:3-6 '60. (MIRA 13:10)

(Kazakhstan--Nonferrous metals)  
(Ore dressing)

SKORMINA, R.A.; BAYSHULAKOV, A.A.; SOKOLOV, M.A.

Collective flotation of complex metal ores. Trudy Inst. met.  
1 obogashch. AN Kazakh. SSR 4:3-7 '62. (MIRA 15:8)  
(Flotation)

BAISHULAKOV, A.A.; GLEMBOTSKIY, V.A.; SOKOLOV, M.A.

Emulsification of reagents in the presence of stabilizers.

Vest. AN Kazakh. SSR 18 no. 11:47-54 N '62.

(MIRA 15:12)

(Surface-active agents) (Ore-dressing)

POL:

3318

338.134 : 538.148

Rayci J. On the Energy of Bound States in Quantum Field Theory.

Acta Physica Polonica (PAN), No. 1, 1964, pp. 51-63.

An equation for the eigenvalues of the energy of two body systems is derived from field theoretical first principles. The simple model of non-relativistic spinless charged fields is treated as an example. Since the energy eigenvalue problem refers to a fixed time instant, the explicit consideration of retardation may be avoided and the instantaneous electromagnetic field may be represented as a sum of two terms: the first in the form of free waves, the second in the form of a stationary solution. The energy field operator splits into several parts: the kinetic energy of charged fields, the energy of photons, the interaction energy between photons and the charged fields, several selfenergy terms (due to the interaction between a charged field and the electromagnetic field produced by the same charged field), cross terms (due to the interaction between a charged field and the stationary electromagnetic field produced by the other charged field). The cross terms may be transcribed to the configuration space and yield, besides the Coulomb interaction and the Breit terms, certain other corrections. The equation for the energy of eigenvalues, i.e. the generalized time independent Schrödinger equations, is written in terms of relative coordinates of the two particles.

BB JH

2

GUS'KOVA, A.K.; RAYSOGOLOV, G.D.

~~SECRET~~  
[Two cases of acute radiation sickness in man] Dva sluchaya ostroi  
luchevoi bolezni u chelovaka; doklady, predstavlennye SSSR na  
Mezhdunarodnuu konferentsiu po mirnomu ispol'sovaniiu atomnoi  
energii. Moskva, 1955. 22 p. [Microfilm] (MIRA 9:3)  
(Radiation--Toxicology)

BAYSALOLOV, G. D. and GUS'KOVA, A. K.

"Treatment of Two Cases of Radiation Sickness," Meditsinskiy Rabotnik,  
18, no.67, 1955

Translation W-31579, 15 Dec 55



BAYSOGOLOV, G.D.; DOSHCENKO, V.N.; CHIZH, A.S.

Case of successful treatment with sarcolysin of a patient with  
myeloma. Probl.gemat.i perel.krovi no.8:51-54 '61.

(MIRA 14:9)

(ALANINE)

(MARROW—TUMORS)

BAYSOGOLOV, G. D.; GUS'KOVA, A. K. (Moskva)

Two additional cases of acute radiation sickness in man. Klin.  
med. no.11:43-56 '61. (MIRA 14:12)

(RADIATION SICKNESS)

BAYSOGOLOV, G.D.

Effect of prolonged repeated irradiation on the blood and  
bloodforming organs. Med. rad. 7 no.12:68-77 D'62.  
(MIRA 16:10)

BYRONOV, G.I.

Pathogenesis of changes in the blood system in chronic irradiation. Med. rad. biol. 1965-66 11:63. (M P: 37-8)

L 34124-55      ENG(S)/ENT(m)      GS  
A SECTION NO.      ATTACHED

AUTHOR: Bayzogolov, G. B.; Podgorodetskaya, V. M.

TITLE: Hematopoiesis in dogs during subacute intoxication induced by plutonium-239

SOURCE: Raspredeleeniye, biologicheskoye deystviye, uskoreniye vyvedeniya radioaktivnykh izotopov (Distribution, biological effect, acceleration of the excretion of radioactive isotopes); sbornik rabot. Moscow, Izd-vo Meditsina, 1964, 225-239

TOPIC TAGS: plutonium-239, radioisotope, radioactivity, hemopoiesis, erythrocyte, leukocyte, bone marrow

**ABSTRACT:** Eight stock-bred dogs received a single intravenous injection of 2  $\mu$ c/kg of the nitrate form of plutonium. A moderate wavelike decrease was noted throughout the experiment (one year) in the number of erythrocytes; it was most pronounced between the 1st and 3rd years. Erythrocyte diameter and hemoglobin content were

the dogs. A few oxyphilic erythroblasts and Golgi bodies appeared the 4th week. The changes in the number of leukocytes were quite irregular. After 4 weeks

Corollary 1.1

L 34124-65

ACCESSION NR: AT5006128

Increase during the first 3 days, they gradually decreased to 40% below the original count and thereafter remained more or less at this depressed level. The first examination of bone marrow (7th day) revealed a decrease in the absolute number of nucleated cells, which reached a minimum (about 25% of the original level) by the 14th day. Subsequently the number of nucleated cells gradually increased.

Orig. art. has 3 tables.

ASSOCIATION: none

EXCLUDED: 000000

NO REF SOV: 000

OTHER: 000

Card 2/2

PLOTNIKOVA, L.A.; BAYSOGOLOV, G.D. (Moskva)

Effect of  $\text{Na}_3\text{Ca-DTPA}$  (pentacine) on excretion of  $\text{Pu}^{39}$  from the  
human body. Med. rad. 9 no.1:49-53 Ja '64. (MIRA 17:9)

BAYSOGOLOV, G.D.; GUS'KOVA, A.K.

Classification of radiation sickness. Med. rad. 9 no.2:  
100-103 Y '64. (MIRA 17:9)



L 44302-65 ENG(j)/ENT(m)

ACCESSION NR: AP5009196

S/0241/65/010/003/0026/0030

A. H.: Raysopolov, A. I.; Klyznuv, K. N.

TITLE: Therapeutic effectiveness of a "regenerating" bone marrow transfusion in acute radiation sickness

SOURCE: Meditsinskaya radiologiya, v. 10, no. 3, 1965, 26-30

TOPIC TAGS: rat, single radiation dose, radiation sickness, bone marrow transfusion, therapy, survival

ABSTRACT: Rats of the Vistar line (180-190 g) were gamma-irradiated ( $^{60}\text{Co}$ , 23 r/min) with a single 1,000 r dose and received bone marrow transfusions from rat donors (120 g) of the same line. Intensively regenerating bone marrow was taken from donors 5 to 20 days after massive bloodletting or from donors gamma-irradiated with a 500 r dose. Blood marrow suspensions were introduced in 3 different doses ( $5 \cdot 10^6$ ,  $1 \cdot 10^7$ , and  $5 \cdot 10^7$ ) into the vein of the recipient's tail 24 hrs after irradiation. Survival over a 30 day period and the mean life expectancy were used as indices. Intensively regenerating bone marrow after bloodletting increased the survival of irradiated

Card 1/2

L 44302-65

ACCESSION NR: AP5009196

recipients in some cases. Survival was increased by 30-40% with a 3 to 6 ml transfusion of bone marrow taken from donors 10 to 15 days after bloodletting. Survival of animals treated with bone marrow from irradiated donors was not reduced compared to control animals, and was even slightly increased when bone marrow was taken on the 7th day following irradiation or somewhat later. Orig. art. has: 2 tables.

ASSOCIATION: None.

SUBMITTED: 14Jun64

ENCL: 00

SUB CODE: LJ

NR REF SOV: 001

OTHER: 008

Card

2/2

L 37672-66 EWT(m)

ACC NR: AP6028848

SOURCE CODE: UR/0241/66/011/004/0015/0042

AUTHOR: Kurshakov, N. A.; Baysogolov, G. D.; Gus'kova, A. K. (Deceased);  
Shtukkenberg, Yu. M.; Drutman, R. D.; Malysheva, M. S. (Deceased)

ORG: none

30  
B

TITLE: Correlation of local tissue changes and general reactions at different phases of the acute radiation syndrome in man

SOURCE: Meditsinskaya radiologiya, v. 11, no. 4, 1966, 15-42

TOPIC TAGS: radiation biologic effect, dosimetry, tissue physiology, reflex activity, blood chemistry, radiation sickness, pathogenesis, blood

ABSTRACT: The authors studied pathogenetic mechanisms in local and whole-body irradiation and sought to explain the importance of the dose distribution in the origin of certain clinical symptoms, the course and outcome of the affection, i.e., the correlation between local tissue damage and general, particularly reflex, reactions of the organism.

The relationship between the beam of neutrons  $\Pi_0$  and the specific activity of blood C is of the form:

$$\Pi_0 = 1.4 \cdot 10^6 \cdot \bar{L} \cdot \eta_{or}$$

where  $\Pi_0$  is the beam of neutrons in neutrons/cm<sup>2</sup>;  $\bar{L}$ , mean effective path along which the absorption of neutrons in the tissue takes

Card 1/2

UDC: 617-001.28-031.84:617-001.28-031.841-036.1

L 37672-66

ACC NR: AP6028848

place;  $C$ , mean specific activity of  $Na^{24}$  in blood in disintegration  $min \cdot cm^3$ ;  $\eta_{cr}$ , ratio of concentrations of  $Na^{23}$  atoms in tissue and in blood. For the unirradiated person, the mean value of this ratio is 0.87.

Following irradiation, at sublethal doses, during the first few days a decrease in the  $Na^{24}$  concentration in the blood can be observed, therefore in the determination of the value of  $\eta_0$ , the value of  $\eta_{cr}$  is increased.

Most of the clinical observations of radiation sickness in man fall well within the framework of the classification proposed by foreign authors and the present Soviet authors (Gaysogolov and Gus'kov), based on the difference of the leading pathogenetic mechanisms of particular forms of radiation sickness. The typical form of the affection with the presence of the widely accepted four phases in the period of the formation of acute radiation syndrome is developed with whole-body irradiation at doses equal to 100 - 1,000 ber. The determining factor in the pathogenesis of this form is the disruption of processes of physiological regeneration in the entire hemopoietic system with the infection complications and phenomena of hemorrhagic diathesis inherent in this form. Orig. art. has: 13 figures, 2 formulas and 5 tables. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 26Sep65 / ORIG REF: 017 / OTH REF: 014

Card 2/2

BAYSOGOLOV, V. G.

3.5.4.

1512. MEASURES for the CONTROL of DUST in REFRACTORIES PLANTS . -V.O. Baysogolov (Ogumyory, 18, 497, 1951). Experience in several Russian plants is discussed. The main measures are: wetting raw materials before crushing, sealing off dust-raising machinery, installing fans and systematic removal of dust from work rooms. Quartzites are moistened to the extent of 2-2.5%  $H_2O$  before being crushed in edge-runners, grog to the extent of 3-4%  $H_2O$ , clay may contain as much as 12% moisture when it arrives at the disintegrator, chromite and magnesite powders are moistened to the extent of 1%. (1 table).

BAISTRYUCHENKO, L.V.; FILATOVA, M.V., KOCHETOV, V.V., redaktor;  
TIMOKHINA, V.I., redaktor; BARSUKOVA, Yu.V., tekhnicheskii  
redaktor

[Paints and patterns for toys] Okraska i rospis' igrushek. Sost.  
L.V.Baistriuchenko i M.V.Filatova. Pod obshchei red. V.V.Kochetova.  
Moskva, Vses. kooperativnoe izd-vo, 1956. 94 p. (MIRA 9:8)

1. Nauchno-issledovatel'skiy institut igrushki.  
(Painting, Industrial) (Toys)

RAYSTRYUCHENKO, M.Ye. (g.Salavat, Bashkirskaia ASSR)

Making precast reinforced concrete elements in reusable  
mold sets. Prom.stroi. 38 no.6:57-59 '60.

(MIRA 13:7)

(Concrete construction--Formwork)

BAYSTRYUCHENKO, M.Ye.

Reinforced concrete arches for agricultural structures in  
Bashkiria. Bet. 1 zhel-bet. no.7:326 J1 '61. (MIRA 2472)

1. Glavnyy tekhnolog preta "Salavatstroy."  
(Bashkiria - Precast concrete construction)  
(Arches)



BAYTAI, A. (Budapesht); SENDE, B. (Budapesht)

Pathological anatomy of mycosis fungoides. Arkh. pat. no.11:  
35-40 '64. (MIRA 18:11)

1. Pervyy institut patologicheskoy anatomii i eksperimental'nogo  
issledovaniya raka (direktor - chlen-korrespondent AN Vengrii  
prof. Y. Baló) Budapeshtskogo meditsinskogo universiteta.

L 04773-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB

ACC NR: AP6025719

SOURCE CODE: UR/0365/66/002/004/0439/0443

AUTHOR: Fayzullin, F. F.; Baytalov, D. A.

34  
B

ORG: Kazan' University im. V. I. Ul'yanov-Lenin (Kazanskiy universitet)

TITLE: Electrochemical behavior of titanium<sup>27</sup> in alkali solutions. I.  
Anodic behavior of titanium in dilute alkali solutions<sup>27</sup>

SOURCE: Zashchita metallov, v. 2, no. 4, 1966, 439-443

TOPIC TAGS: titanium, electrochemistry, corrosion rate, corrosion resistance, solution kinetics, titanium oxide<sup>14</sup>

ABSTRACT: The anodic behavior of titanium in KOH solutions was studied in order to explain the causes of its passivation in alkaline solutions. Ti is self-passivating in dilute (0.1, 0.0 and 2.0 N) KOH and self-activating in concentrated (over 5.0 N) KOH solutions. The passive state in 0.1 N KOH occurs in the potential range +0.03 to +0.90 v, and in 1.0 N, from -0.03 to +0.86<sub>2</sub>v; the rate of solution in the passive state is 2 and 4 microamps/cm<sup>2</sup>, respectively. Passivation in these solutions is caused by the formation of an oxide film with defective structures containing an excess of anionic components. Superpassivation of Ti was observed in the +0.90 to +1.2 v potential range. It is

Card 1/2

UDC: 620.193.42:669.295

L 04773-67

ACC NR: AF6025719

suggested that this process is determined by the formation of titanium peroxide. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11,07/ SUBM DATE: 12Oct65/ ORIG REF: 005/ OTH REF: 006

Card 2/2 28

BAITAL'SKII, L. and others.

BAITAL'SKII, L. and others.

Ky vstupili v period sotsializma. [Moskva]

Molodaia gvardiia, 1931. 255 p.

DLC: Unclass.

SO: LC Soviet Geography Part I, 1951 Uncl.

BAYTAL'SKIY, M.M. (Odessa); CHERTKOV, A.M. (Odessa)

~~Work of the methods group of mathematics teachers in schools for~~  
young workers in the city of Odessa. Mat.v shkole no.3:87-88  
My-Je '56. (MLRA 9:8)  
(Odessa--Mathematics--Study and teaching)

BAYTAL'SKIY, M.M. (Odessa)

Need for simplifying the proof of certain geometrical theorems.

Mat. v shkole no.5:44 S-O '58.

(MIRA 11:10)

(Geometry)

SMYSHLYAYEV, V.K. (Yoshkar-Ola); RAYTAL'SKIY, M.M. (Odessa); IVANOVA, Zh. (Vratsa, Bolgariya); USHAKOV, V.V. (Stary, Oskol); PRESMAN, A.A. (Sverdlovsk); LEVIN, M.N. (Tartu); BRIGADIN, I.Ya. (Moskva); LEVIN, M.I. (Tartu); KASHIN, B.I. (Kalininskaya obl.)

Problems for students. Mat. v shkole no.6:90-91 N-D '59 (MIRA 13:3)  
(Mathematics--Problems, exercises, etc.)

BAYTAL'SKIY, M.M. (Olssa)

Examining pupils in schools for working youth. Mat.v shkole  
no.4:58-60 JI-Ag '60. (MIRA 13:9)  
(Mathematics--Study and teaching)



CHERTKOV, A.N.; BAYTAL'SKIY, M.M. (Odessa)

Work of the methodological association of teachers of  
mathematics in schools for working youth of the city  
of Odessa. Mat. v shkole no.2:90-91 Mr-Apr '61. (MIRA 14:4)  
(Odessa--Mathematics--Methodology)

SIDOROVA, Ye.Ye.; BAYTERYAKOVA, L.Kh.

Differential method of measuring freezing depressions from  
melting curves of diluted solutions. Zhur.fiz.khim. 39  
no.11:2842-2846 N '65. (MIRA 18:12)

1. Kazanskiy khimicheskiy institut imeni A.Ye.Arbutova AN  
SSSR.

BAYTENEV, N.A.; MILOV, A.I.; PONOMAREV, V.D.

Electrolytic production of titanium from the dioxide in mixed  
fluoride-chloride melts. Izv. AN Kazakh. SSR: Ser. tekhn. i khim. nauk.  
no. 1863-69. '63. (MIRA 17:3)

BAYTELEV. N.A.; PCH-NAPEV, V.D.

Decomposition potential of the system  $H_2/H_2^+$  -  $NaCl$  -  $H_2O$ .  
Report No.2 Trudy Inst. met. i obog. ad Khimich. SSSR 8:  
97-101 '63 (MIRA 17:5)

BAYTENOV, M.; DAULETBAKOV, A.; TULEUSHEV, Zh.

Problems in developing the productive forces of southern Kazakhstan.  
Vest. AN Kazakh. SSR 21 no.5:89-90 My '65. (MIRA 18:7)

BAYTENOV, M.B.; GOLOSOKOV, V.P.; DMITRIYEVA, A.A.; DOBROKHOTOVA, K.B.;  
KUZNETSOV, N.M. [deceased]; POLYAKOV, P.P.; PAVLOV, N.V. ~~akad.~~  
akademi, glav. red.; SUVOROVA, P.I., red.; ALFEROVA, P.F., tekhn.  
red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red, N.V. Pavlov.  
Sost. M.B. Baitenov, dr. Alma-Ata, Akad. nauk Kazakhskoi SSSR.  
Vol.2. 1958. 289 p. (MIRA 11:7)

1. Akademiya Nauk KazSSR (for Pavlov).  
(Kazakhstan--Botany)

PAVLOV, M.V., akademik; AGEYEVA, M.T.; BAYTENOV, M.B.; GOLOSOKOV, V.P.,  
kand.biolog.nauk, red.; KORNILOVA, V.S.; POLYAKOV, P.P.. Prinsipali  
uchastiye: VASIL'YEVA, A.N.; ORAZOVA, A.; FISTUN, V.V.. BYKOV,  
B.A., red.; KUBANSKAYA, Z.V., kand.biolog.nauk, red.; SUVOROVA, E.I.,  
red.; ALFEROVA, P.F., tekhn. red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. M.V. Pavlov.  
Sost. M.T. Ageeva i dr. Alma-Ata. Vol. 3. 1960. 457 p.

(MIRA 13:5)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut botaniki.
2. AN KazSSR (for Pavlov). 3. Chlen-korrespondent AN KazSSR (for  
Bykov).

(Kazakhstan--Dicotyledons)

BAYTENOV, M.B.; BYKOV, B.A.; VASIL'YEVA, A.N.; GAMAYUNOVA, A.P.;  
GOLOSOKOV, V.P., kand.biolog.nauk; DOBROKHOTOVA, K.V.;  
KORNILOVA, V.S.; FISIYUN, V.V.; PAVLOV, N.V., akademik, glavnyy  
red.; KUBANSKAYA, Z.V., kand.biolog.nauk; SUVOROVA, R.I.,  
red.; ALPEROVA, P.F., tekhn.red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav.red. N.V.Pavlov.  
Sost.M.B.Baitenov i dr. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi  
SSR. Vol.4. 1961. 545 p. (MIRA 14:4)

1. AN Kazakhskoy SSR (for Pavlov). 2. Chlen-korrespondent  
AN KazSSR (for Bykov).  
(Kazakhstan--Botany)



BATTENOV, M.S.

*Oxytropis valdehanovii* Bajt. sp.nova, a new species of *Oxytropis*  
without a cusp. Vest. AN Kazakh. SSR 21 no.7:76-78 J1 '65.  
(MIRA 18:8)

BATTENOV, M.S.

New species of flora in Kazakhstan. Vest. AN KAZAKH SSR 11 no.9:  
78-80 S '55. (MLRA 9:1)

(Kazakhstan--Botany)

BAYTENOV, M.S.

New species of the genus *Hedysarum* DC. Vest. AN Kazakh SSR 12 no. 3:  
99-107 Mr '56. (MLRA 9:7)

1. Predstavlena doystvitel'nym chlenom AN Kaz SSR N.V. Pavllvym.  
(*Hedysarum*)

BATTENOV, M.S.

Calligonum species of Mugun-Kum, in the Sary-Su Valley. Trudy Inst.  
bot. AN Kazakh. SSR 5:18-23 '57. (MIRA 1049)  
(Sary-Su Valley--Calligonum)

**БАТТНОВ, М.С.**

Key to the Hedysarum (L.) species of Kazakhstan. Trudy Inst. bot.  
AN Kazakh. SSR 5:24-29 '57. (MLRA 10:9)  
(Kazakhstan--Hedysarum)

BAYTENOV, M.S.

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